

On Tuesday, Elena completed 20 items of her math homework in 36 minutes. At this rate, how long will it take her to complete 35 items for Wednesday's homework?

A swimming pool was filled with 600 gallons of water in 20 minutes. What was the rate at which the pool was filled?

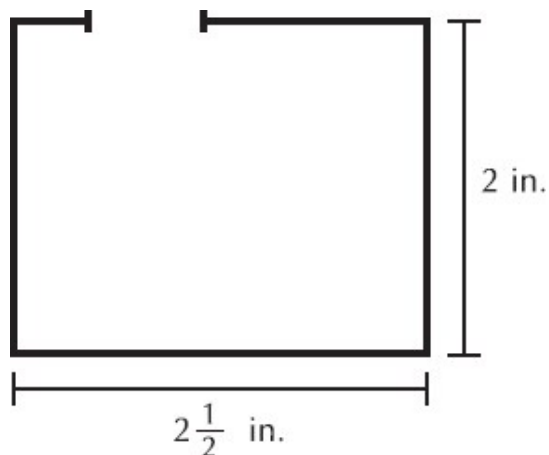
A map has a scale of 1 in = 20 miles. The distance on the map between two cities is 5 inches. What is the actual distance between them?

The scale on a map is 1 in : 500 mi. If the two cities are 625 miles apart, how far apart will they appear on the map?

A person can read 24 pages of a book in $\frac{1}{3}$ of an hour. What is the person's reading rate in pages per hour?

Lyn bought new baseballs and softballs for the school teams. The ratio of baseballs to softballs that he bought was 6 : 5. If he bought 30 baseballs, how many softballs did he buy?

What are the dimensions of the room?



Scale
1 in. = 12 ft

A cargo plane flew to the maintenance facility and back. It took one hour less time to get there than it did to get back. The average speed on the trip there was 220 mph. The average speed on the way back was 200 mph. How many hours did the trip there take?

Ryan left the science museum and drove south. Gabriella left three hours later driving 42 mph faster in an effort to catch up to him. After two hours Gabriella finally caught up. Find Ryan's average speed.

Jose left the White House and drove toward the recycling plant at an average speed of 40 mph. Rob left some time later driving in the same direction at an average speed of 48 mph. After driving for five hours Rob caught up with Jose. How long did Jose drive before Rob caught up?

Kali left school and traveled toward her friend's house at an average speed of 40 mph. Matt left one hour later and traveled in the opposite direction with an average speed of 50 mph. Find the number of hours Matt needs to travel before they are 400 mph apart.

A submarine left Hawaii two hours before an aircraft carrier. The vessels traveled in opposite directions. The aircraft carrier traveled at 25 mph for nine hours. After this time the vessels were 280 mi apart. Find the submarine's speed.

Josie left the airport and traveled toward the mountains. Kayla left 2.1 hours later traveling 35 mph faster in an effort to catch up to her. After 1.2 hours Kayla finally caught up. Find Josie's average speed.

